

**INFRARED BUILDING ENVELOPE SURVEY
(INTERIOR)**

for

*ABC Company
123 Main Street
Anytown, USA*

at

*ABC Company
123 Main Street
Anytown, USA*



JERSEY INFRARED CONSULTANTS

P.O. Box 39
Burlington, NJ 08016
Phone: (609) 386-1281
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(Date)

Mr. Smith
ABC Company
123 Main Street
Anytown, USA

RE: INFRARED BUILDING ENVELOPE SURVEY REPORT
OUR JOB NUMBER: 16-1234.5

Dear Mr. Smith:

Here is our completed report in hard copy and electronic formats for the Infrared Building Envelope Survey performed at the ABC Company located at 123 Main Street, Anytown, USA on (date).

Thank you for this opportunity to serve you. If you have any questions or if we can be of further assistance, please feel free to call.

Very truly yours,

MC
Level III
Infraspection Institute Certified Infrared Thermographer

MC:clt
Enclosure

(Date)

ABC Company
123 Main Street
Anytown, USA

THERMOGRAPHER'S COMMENTS
OUR JOB NUMBER: 16-1234.5

On (date), an Infrared Building Envelope Survey was performed at the ABC Company located at 123 Main Street, Anytown, USA.

The Survey covered west-facing interior surfaces as requested by customer. The Survey was conducted under natural conditions from the interior of the building in an attempt to locate areas exhibiting thermal patterns typical of moisture infiltration.

The Survey was performed by an Infrasppection Institute Certified Infrared Thermographer using a ThermoCAM S65HS, Thermal Imaging System, Serial #2531069.

Included in this report are Thermograms of several thermal anomalies. Please reference the Area/Picture pages for locations for thermal anomalies.

WEATHER CONDITIONS: September 19, 2016, daytime skies were partly sunny with highs in the mid 70's.

The latest precipitation prior to the start of our Survey occurred on September 18th.

SPECIAL CONDITIONS: Every effort was made to gain line-of-sight access to all interior areas of the buildings. To our knowledge, all areas were covered and were done so to the best of our ability.

FINDINGS: All thermal data collected during our Survey were stored on PC card. Thermograms were then made from the PC card and appear on the following pages along with a brief description of problem areas.

Thirty-three (33) thermal images were recorded on the day of our Survey. All images were taken on the west facing interior walls.

Twenty-eight (28) thermograms showing cold thermal anomalies typical of moisture infiltration were taken in the following areas:

Units 305, 405, 505, 705, 805 and 1205

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Five (5) thermograms showing normal thermal patterns were taken. (Units 305, 605, 905, 1005 and 1105)

Physical damage was evident in the area of a few thermal anomalies.

RECOMMENDATIONS: We recommend that the cause of all thermal anomalies be investigated and that the proper corrective measures be taken. A follow-up Survey should then be performed once repairs have been made.

Please note that all inspections are performed with the building in an "as found" condition. No attempt is made to verify that the building is under normal operating condition at the time of the Infrared Survey.

This report depicts thermal patterns in the building envelope at the time of the Infrared Survey. No information regarding the structural integrity of the building or the building components is provided or implied in this report.

MC
Level III
Infraspection Institute Certified Infrared Thermographer

MC:clt

ABC Company
123 Main Street
Anytown, USA

Our Job Number: 16-1234.5

BUILDING DATA SHEET

BUILDING NAME: ABC Company

BUILDING USE: Residential

WEATHER DATA:

Date:	9/19/16	Time:	9:00 AM-12:00 PM
Indoor Air Temperature:	72°F	Outdoor Air Temperature:	Mid 70's
Wind Speed:	Light	Wind Direction:	Variable
Daytime Sky Conditions:	Partly sunny		
Nighttime Sky Conditions:	N/A		

BUILDING CONSTRUCTION:

Number of Floors:	12
Roof Type:	N/A
Exterior Wall Construction:	Concrete Block
Exterior Wall Finish:	EFIS
Heating Controls:	Room to Room
Heating System:	Hot Air
Heating Distribution:	Wall Register

Area/Picture No. 201 Job No. 15-3129.1 Date 9/24/15

Location Room 202

Equipment Exterior Wall, Right of Window to Ceiling

Wind Speed N/A Wind From N/A Sky Indoor

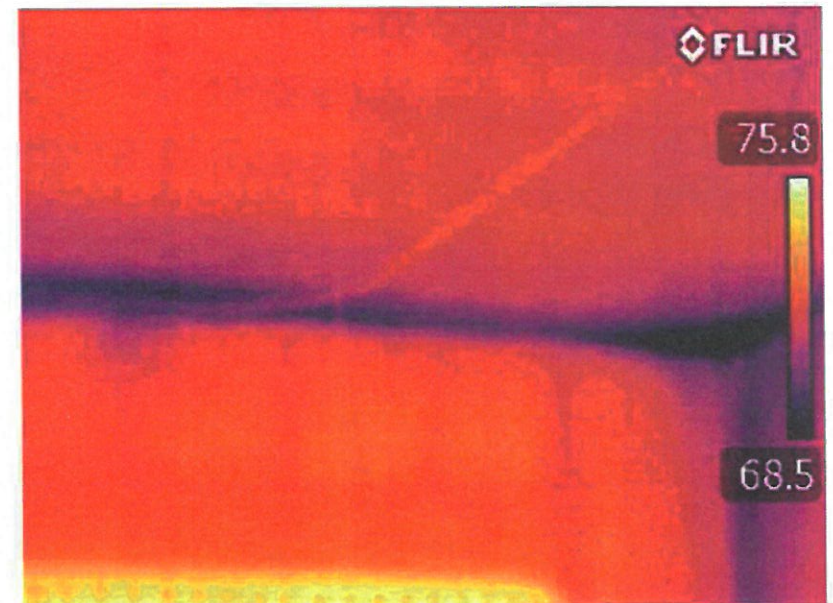
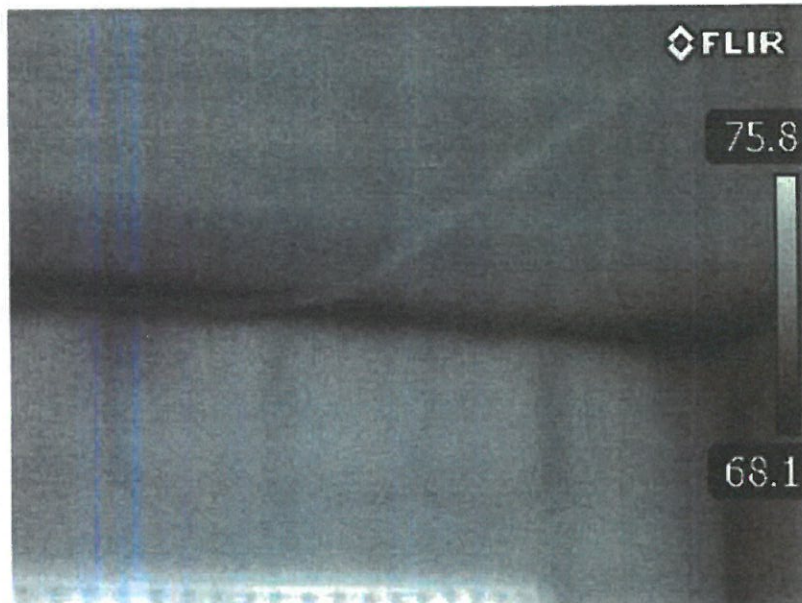
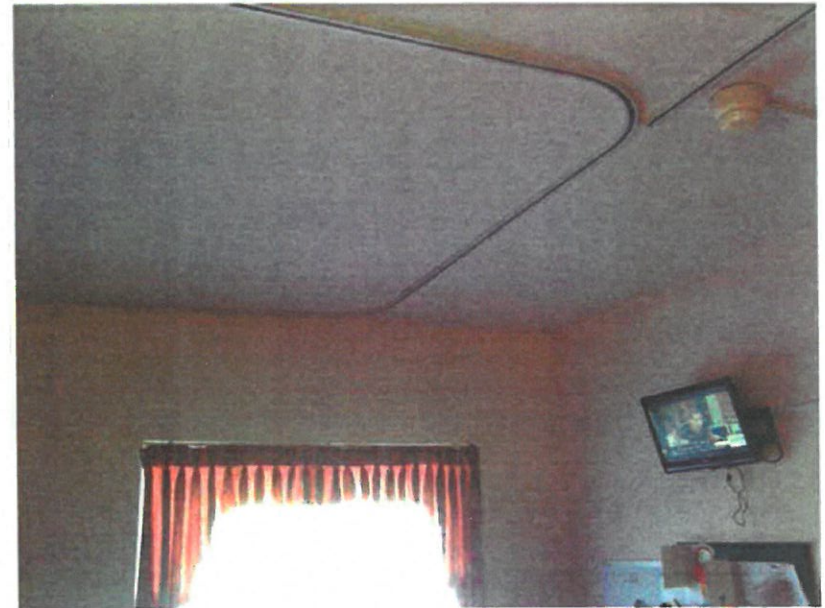
Emiss. 1.00 B/G N/A° Distance 8' Lens 1x

Ambient Temp 70°F

Comments Thermograms show cold thermal patterns typical of latent moisture.

Priority

Repair Check Date



Area/Picture No. 241 Job No. 15-3129.1 Date 9/24/15

Location Room 112

Equipment Bathroom Ceiling Above Light

Wind Speed N/A Wind From N/A Sky Indoor

Emiss. 1.00 B/G N/A° Distance 8' Lens 1x

Ambient Temp 70°F

Comments Thermograms show cold thermal patterns typical of latent moisture.

Priority

Repair Check Date



Area/Picture No. 282 Job No. 15-3129.1 Date 9/24/15

Location Room 102

Equipment Exterior Wall, Right of Unit

Wind Speed N/A Wind From N/A Sky Indoor

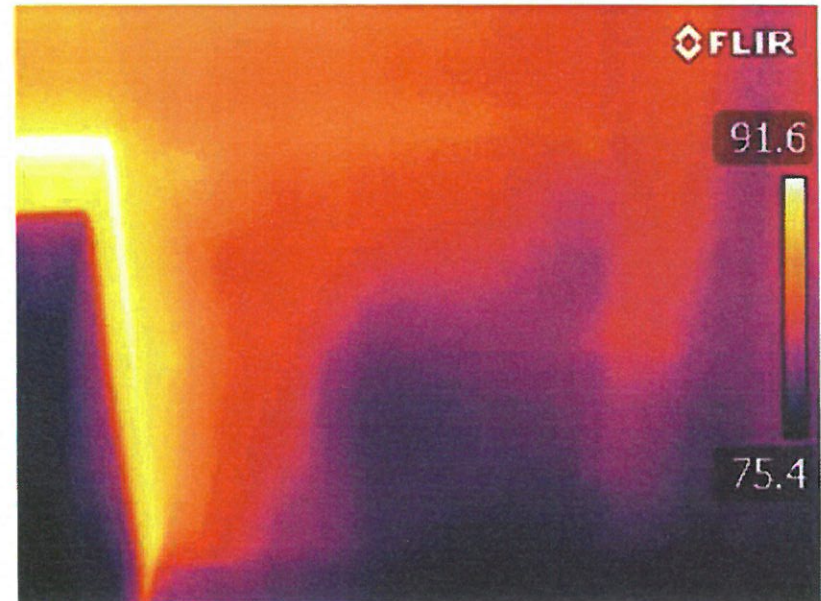
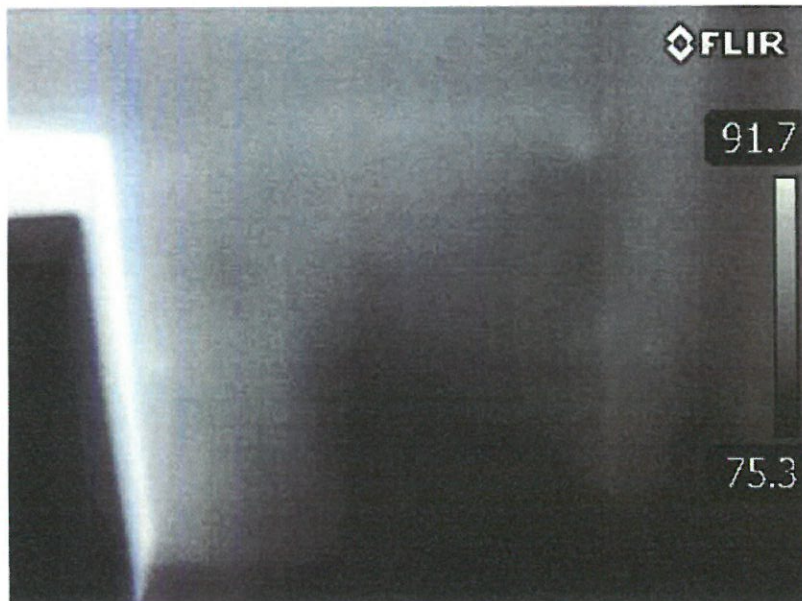
Emiss. 1.00 B/G N/A° Distance 8' Lens 1x

Ambient Temp 70°F

Comments Thermograms show cold thermal patterns typical of latent moisture.

Priority

Repair Check Date



Area/Picture No. 307 **Job No.** 15-3129.1 **Date** 9/24/15

Location Nurse Admin. Training Office

Equipment Exterior Wall, Left of Unit

Wind Speed N/A **Wind From** N/A **Sky** Indoor

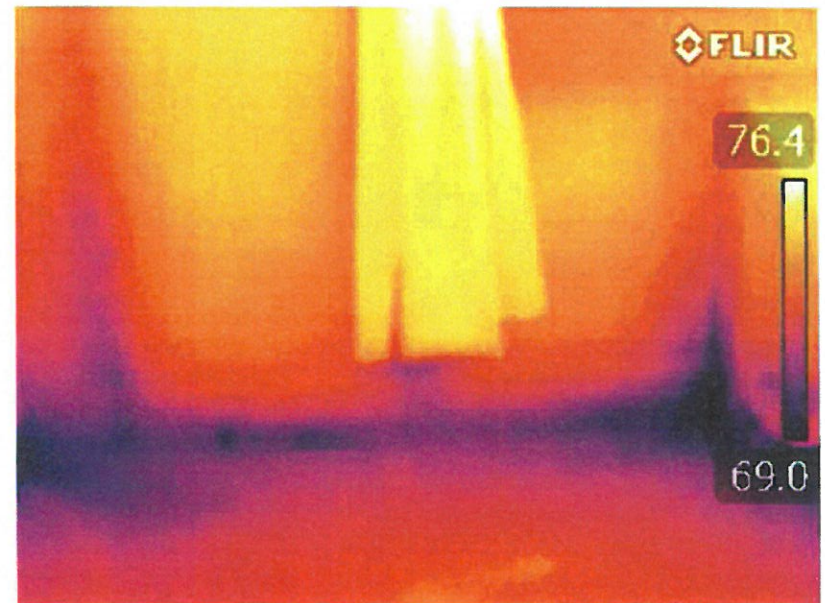
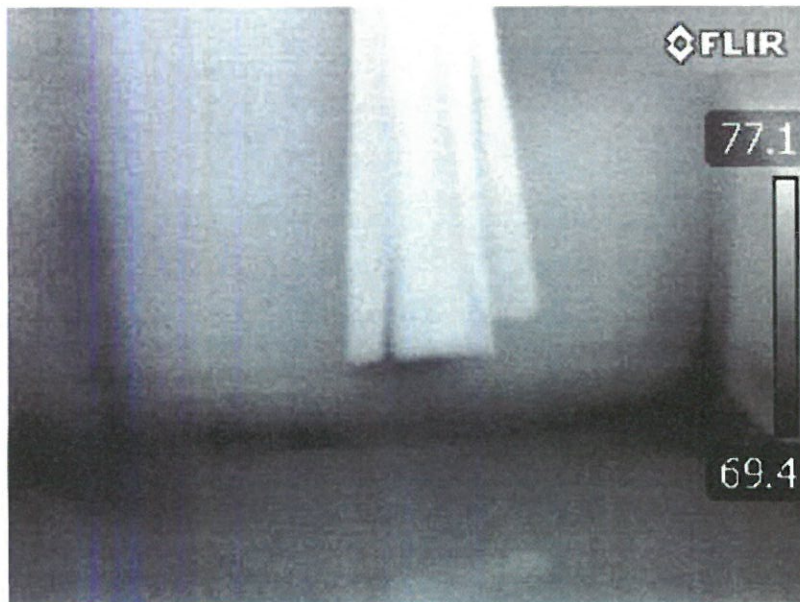
Emiss. 1.00 **B/G** N/A° **Distance** 8' **Lens** 1x

Ambient Temp 70°F

Comments Thermograms show cold thermal patterns typical of latent moisture.

Priority

Repair Check Date



Area/Picture No. 308 Job No. 15-3129.1 Date 9/24/15

Location Nurse Admin. Training Office

Equipment Exterior Wall, Right of Unit

Wind Speed N/A Wind From N/A Sky Indoor

Emiss. 1.00 B/G N/A° Distance 8' Lens 1x

Ambient Temp 70°F

Comments Thermograms show cold thermal patterns typical of latent moisture.

Priority

Repair Check Date



Area/Picture No. 11 Job No. 16-3149.1 Date 1/29/16

Location 3rd Floor, Unit 302

Equipment 2nd Bedroom, Bottom NW Corner, Left Side

Wind Speed N/A Wind From N/A Sky Indoor

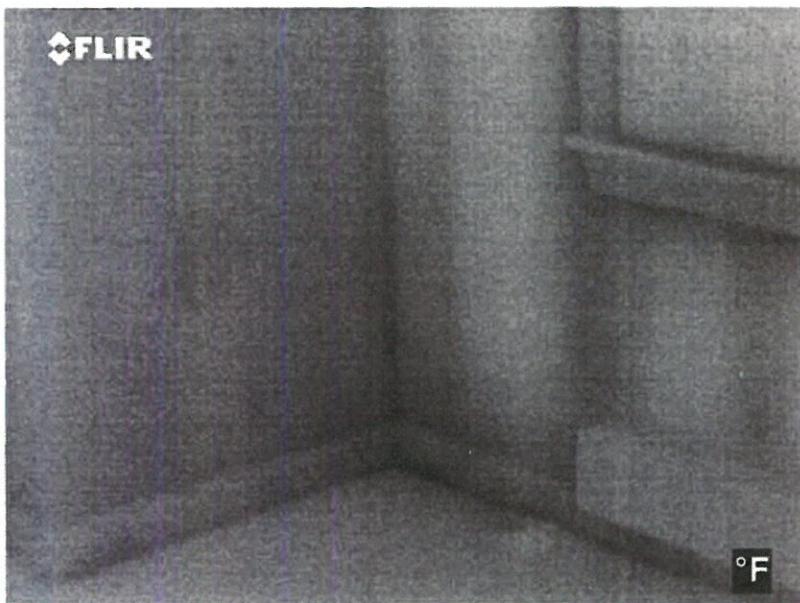
Emiss. 1.00 B/G N/A° Distance 10' Lens 1x

Ambient Temp 54°F

Comments Thermogram shows pattern typical of moisture infiltration.

Priority

Repair Check Date



Area/Picture No. 5 Job No. 12-2825.3 Date 9/19/12

Location 4th Floor, Unit 405

Equipment Master Bedroom, Right Corner, Top

Wind Speed N/A Wind From N/A Sky Indoor

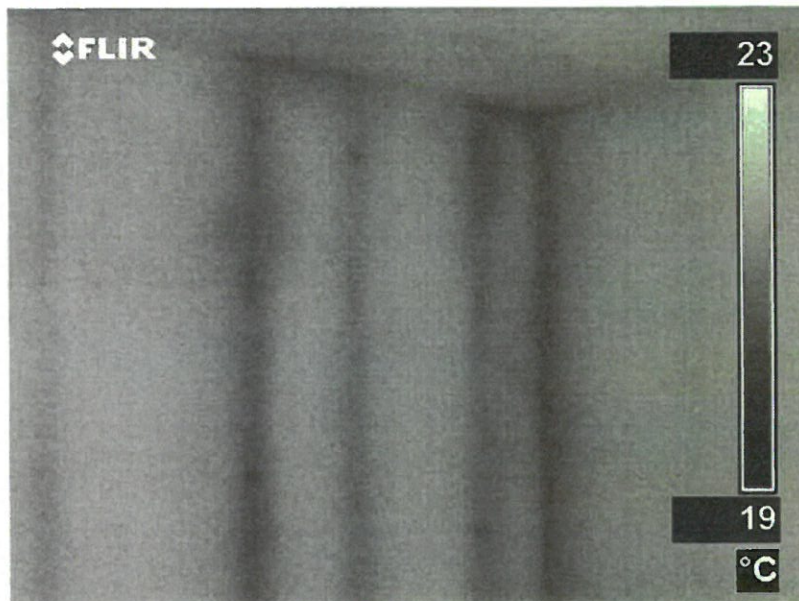
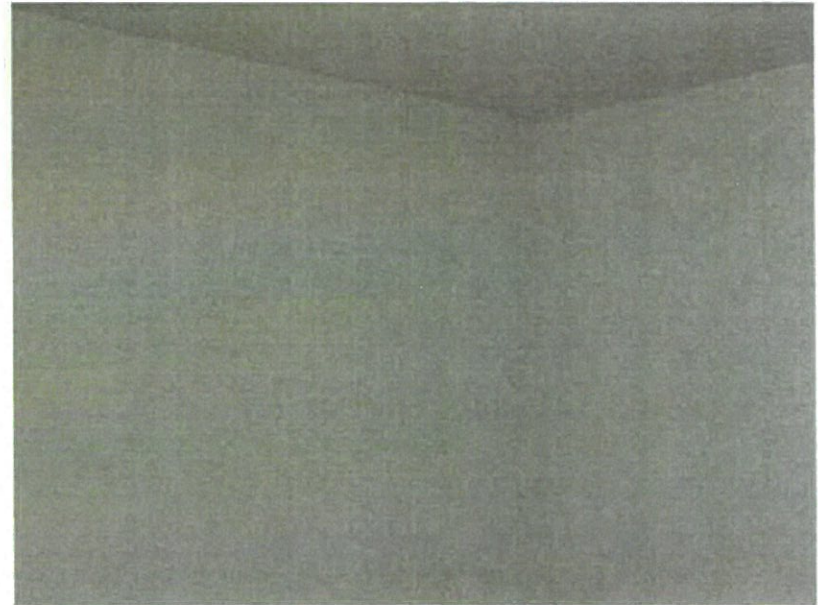
Emiss. 1.00 B/G N/A° Distance 6' Lens 1x

Ambient Temp 72°F

Comments Thermogram shows thermal pattern typical of moisture infiltration.

Priority

Repair Check Date



Area/Picture No. 6 Job No. 12-2825.3 Date 9/19/12

Location 4th Floor, Unit 405

Equipment Master Bedroom, Right Corner, Bottom

Wind Speed N/A Wind From N/A Sky Indoor

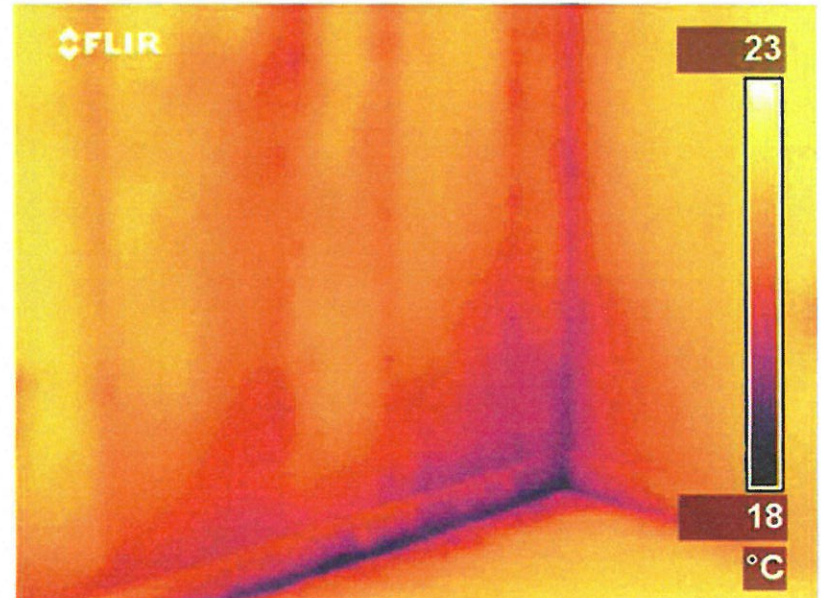
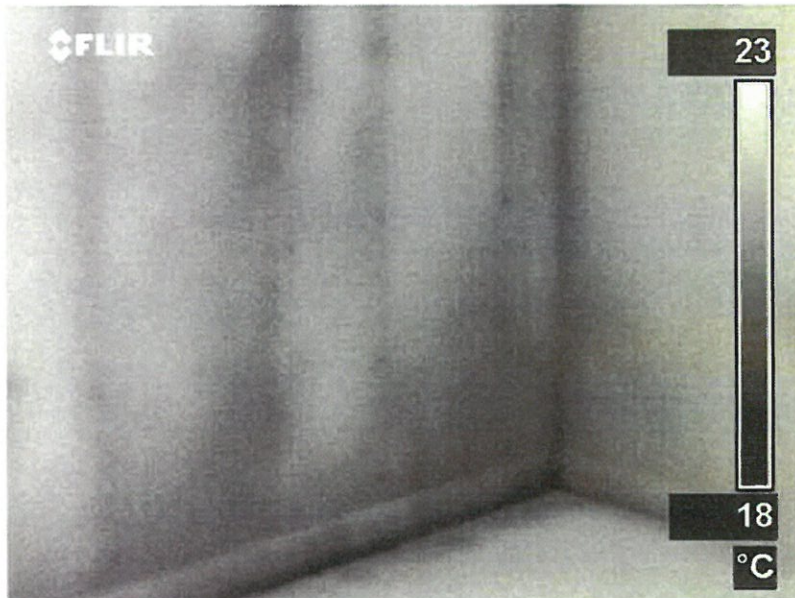
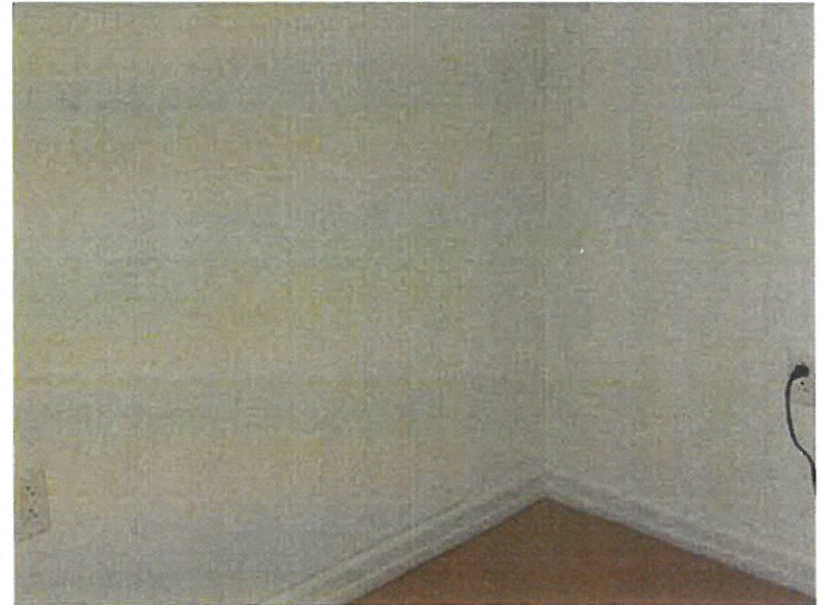
Emiss. 1.00 B/G N/A° Distance 6' Lens 1x

Ambient Temp 72°F

Comments Thermogram shows thermal pattern typical of moisture infiltration.

Priority

Repair Check Date



Area/Picture No. 3 **Job No.** 12-2825.3 **Date** 9/19/12

Location 3rd Floor, Unit 306

Equipment Guest Bedroom, Right of Window

Wind Speed N/A **Wind From** N/A **Sky** Indoor

Emiss. 1.00 **B/G** N/A° **Distance** 6' **Lens** 1x

Ambient Temp 72°F

Comments Thermogram shows thermal pattern typical of moisture infiltration.

Priority

Repair Check Date

